

SAFE DRINKING WATER ACT VIOLATIONS 2002

**NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
WATER SUPPLY ADMINISTRATION
BUREAU OF SAFE DRINKING WATER**

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Table of Contents

	Page
Introduction	5
The Drinking Water Program: An Overview	5
Annual State PWS Reports	6
Public Water Systems	6
Maximum Contaminant Level	7
Treatment Techniques	8
Variances and Exemptions	8
Monitoring	9
Significant Monitoring Violations	9
Significant Consumer Notification Violations	9
Additional Monitoring in New Jersey	10
Conclusions	11
Microbiological	11
Total Coliform Rule	11
Surface Water Treatment Rule	13
Interim Enhanced Water Treatment Rule	13
Organic Chemicals	13
Volatile Organic Chemicals (VOC) Rule	13
Synthetic Organic Chemicals (SOC) Rule	14
Total Trihalomethanes and Total Haloacetic Acids	14
Inorganic Chemicals (IOC)	15
IOC Rule	15
Lead and Copper Rule	16
Radiological Rule	16
Consumer Notification Violations	17
Summary	17

Tables

		Page
Table 1	Public Water Systems In New Jersey	7
Table 2	Volatile Organic and Synthetic Organic Chemicals Regulated Differently as Primary Contaminants by NJDEP and USEPA	7
Table 3	Volatile Organic Chemicals Regulated as Primary Contaminants by NJDEP that are not Federally Regulated	8
Table 4	Total Coliform Rule MCL Violations	12
Table 5	Total Coliform Rule Monitoring/Reporting Violations	12
Table 6	Volatile Organic Monitoring Compound Monitoring/Reporting Violations	14
Table 7	Nitrate MCL and Monitoring/Reporting Violations	15
Table 8	Violations Table	18
Table 9	Additional Monitoring in New Jersey	31

Appendices

		Page
Appendix A	Safe Drinking Water Act Requirements	40
Appendix B	Community Water System 2002 MCL and Treatment Technique Violations	41
Appendix C	Community Water System 2002 Action Level Violations	44
Appendix D	Noncommunity Water System 2002 MCL Violations	46
Appendix E	Noncommunity Water System 2002 Action Level Violations	53
Appendix F	2002 Consumer Confidence Report Violations	59
Appendix G	Violations Related to Additional Monitoring in New Jersey	60

Introduction

This is New Jersey's seventh annual report prepared to fulfill one of the statutory requirements of the 1996 Amendments to the Safe Drinking Water Act. The Safe Drinking Water Act requires States to prepare an annual report on violations of the national primary drinking water regulations by public water systems in the State. The first report covered the period January 1, 1996, through December 31, 1996. Each subsequent report covered the following calendar year. This seventh report covers the period January 1, 2002, to December 31, 2002. This full report will be made available to the public and allows all citizens in the State of New Jersey to have greater access to drinking water quality information for the State in a nationally standardized format. The information in this report is for violations of (I) maximum contaminant levels, (II) treatment requirements, (III) variances and exemptions, and (IV) monitoring requirements determined to be significant by the Administrator (of USEPA) after consultation with the States. Each state is required to publish and distribute a summary report that indicates where this full report is available for review. The statutory language is presented in Appendix A (page 40).

In New Jersey, copies of this full report for the period January 1, 2002, through December 31, 2002, will be sent to the state library for distribution through its system, and to the county and local health officers. In addition, this report may be viewed on the internet at www.state.nj.us/dep/watersupply/violations2002.pdf

The Drinking Water Program: An Overview

USEPA established the Public Water System Supervision Program under the authority of the 1974 Safe Drinking Water Act. Under the Safe Drinking Water Act and the 1986 Amendments, USEPA sets national limits on contaminant levels in drinking water to ensure that drinking water is safe for human consumption. These limits are known as Maximum Contaminant Levels (MCLs). For some regulations, USEPA establishes treatment techniques in lieu of an MCL to control unacceptable levels of contaminants in water. USEPA also regulates how often public water systems (PWSs) monitor their water for contaminants and report the monitoring results to the States or USEPA. Generally, the larger the population served by a water system, the more frequent the monitoring/reporting (M/R) requirements. In addition, USEPA requires PWSs to monitor for unregulated contaminants to provide data for future regulatory development. Finally, USEPA requires PWSs to notify the public when they have violated these regulations. The 1996 Amendments to the Safe Drinking Water Act require public notification to include a clear and understandable explanation of the nature of the violation, its potential adverse health effects, steps that the PWS is undertaking to correct the violation and the possibility of alternative water supplies during the violation.

The Safe Drinking Water Act allows States and Territories to seek USEPA approval to administer their own Public Water Supply Supervision Programs. The authority to run a Public Water Supply Supervision Program is called primacy. To receive primacy, States must meet certain requirements laid out in the Safe Drinking Water Act and the

regulations, including the adoption of drinking water regulations that are at least as stringent as the Federal regulations and a demonstration that they can enforce the program requirements. Of the 57 States and Territories, all but Wyoming and the District of Columbia have primacy. The USEPA Regional Offices administer the Public Water Supply Supervision Programs within these two jurisdictions.

The Bureau of Safe Drinking Water of the New Jersey Department of Environmental Protection (NJDEP) has principal responsibility for the programs and activities under the Federal Safe Drinking Water Act and the New Jersey Safe Drinking Water Act to assure safe drinking water for both the citizens of New Jersey and visitors.

Annual State PWS Reports

Primacy States submit data to the Safe Drinking Water Information System (SDWIS/FED) on a quarterly basis. Data include PWS inventory statistics, the incidence of Maximum Contaminant Level, Major Monitoring, and Treatment Technique violations, and the enforcement actions taken against violators. The annual compliance summary report that States are required to submit to USEPA will provide a total annual representation of the numbers of violations for each of the four categories listed in section 1414(c)(3) of the Safe Drinking Water Act reauthorization. These four categories are: MCLs, treatment techniques, variances and exemptions, and significant monitoring violations. States are also required to make available a full report of all violations indicating the names of the systems with violations. The USEPA Regional Offices report the information for Wyoming, the District of Columbia, and all Indian Lands. Regional offices also report Federal enforcement actions taken. USEPA stores this data in an automated database called the Safe Drinking Water Information System (SDWIS). These reports are based largely on data retrieved from the federal version of the SDWIS/FED.

Public Water System

A Public Water System (PWS) is defined as a system that provides water via piping or other constructed conveyances for human consumption to at least 15 service connections or serves an average of at least 25 people for at least 60 days each year. There are three types of PWSs. PWSs can be community (such as towns), nontransient noncommunity (such as schools or factories), or transient noncommunity systems (such as rest stops or parks). For this report when the acronym "PWS" is used, it means systems of all types unless specified in greater detail.

At the end of 2002, New Jersey listed 4,138 public water systems in its inventory. These included 604 community water systems, 884 nontransient noncommunity water systems and 2650 transient noncommunity water systems. The number of systems constantly changes due to mergers, opening and closing of businesses, hookups with community water systems or changes in use that results in fewer than 25 people being served.

The following table shows the changes in number of public water systems since 1996:

Table 1: Public Water Systems in New Jersey

Year	Community Water Systems	Nontransient Noncommunity Water Systems	Transient Noncommunity Water Systems	Total
2002	604	884	2650	4138
2001	606	891	2689	4186
2000	606	936	2707	4249
1999	616	968	2839	4423
1998	615	962	2887	4464
1997	612	1034	3066	4712
1996	612	1038	3090	4740

Maximum Contaminant Level

Under the Safe Drinking Water Act, USEPA sets national limits on contaminant levels in drinking water to ensure that the water is safe for human consumption. These limits are known as Maximum Contaminant Levels (MCLs).

New Jersey laws also outline specific procedures for setting drinking water standards in the State based on risk-based goals. New Jersey drinking water standards are required to be equal to or more stringent than federal standards. As a result of applying this New Jersey approach to drinking water contaminants, there are twelve regulated volatile organic compounds and one regulated synthetic organic compound with New Jersey MCLs that are more stringent than the federal MCLs. These are listed in Table 2, below:

Table 2: Volatile Organic and Synthetic Organic Compounds Regulated Differently as Primary Contaminants by NJDEP and USEPA

Contaminant	New Jersey MCL (ug/l)	USEPA MCL (ug/l)
Benzene	1	5
Carbon Tetrachloride	2	5
Chlordane	0.5	2
1,2-Dichloroethane	2	5
1,2-Dichloroethylene	2	7
Methylene Chloride	3	5
Monochlorobenzene	50	100
Tetrachloroethylene	1	5
1,2,4-Trichlorobenzene	9	70
1,1,1-Trichloroethane	30	200
1,1,2-Trichloroethane	3	5
Trichloroethylene	1	5
Xylenes	1,000	10,000

In addition, there are five volatile organic compounds regulated as primary contaminants

by New Jersey that are not federally regulated. These contaminants are listed in Table 3. The remaining nine USEPA regulated volatile organic compounds share the same MCL, federal or state.

Table 3: Volatile Organic Compounds Regulated as Primary Contaminants by NJDEP that are not Federally Regulated

Contaminant	New Jersey MCL (ug/l)
Meta-Dichlorobenzene	600
1,1-Dichloroethane	50
Methyl tertiary Butyl Ether	70
Napthalene	300
1,1,2,2-Tetrachloroethane	1

All regulated contaminants and their respective federal and state MCLs are listed in Table 8 on page 18 of this report.

Treatment Techniques

For some contaminants, USEPA establishes treatment techniques in lieu of an MCL to control unacceptable levels of certain contaminants. For example, treatment techniques have been established for viruses, bacteria, and turbidity.

Variances and Exemptions

Variances and exemptions to specific requirements under the Safe Drinking Water Act Amendments of 1996 may be granted under certain circumstances. If, due to the characteristics of the raw water sources reasonably available, a PWS cannot meet the MCL, a primacy State can grant the PWS a variance from the applicable primary drinking water regulation on the condition that the system install the best available technology, treatment techniques, or other means which the Administrator finds are available (taking costs into account). The state must find that the variance will not result in an unreasonable risk to health, and shall prescribe, at the time the variance is granted, a schedule (including increments of progress) in accordance with which the PWS must come into compliance with the MCL. Small systems (serving 3,300 or fewer persons; or 10,000 or fewer persons with the Administrator's approval) may be granted variances if they cannot afford (as determined by application of the Administrator's affordability criteria) to comply with certain MCLs (non-microbial, promulgated after January 1, 1986) by means of treatment, alternative source of water, or restructuring or consolidation. Small systems must, within 3 years, install and operate USEPA approved small system variance technology. The variance must ensure adequate protection of human health, and the variance shall be reviewed not less than every 5 years to determine whether the system remains eligible for the variance. A primacy State may by exemption relieve a PWS of its obligation to comply with an MCL, treatment technique, or both if the system's noncompliance results from compelling factors (which may include economic factors, the system was in operation on the effective date of the MCL or treatment technique requirement) or if not in operation by that date, only if no reasonable

alternative source of drinking water is available to such new systems, management or restructuring changes cannot reasonably be made that will result in compliance with the Safe Drinking Water Act or improvement of water quality, and the exemption will not result in an unreasonable risk to public health. The State will require the PWS to comply with the MCL or treatment technique as expeditiously as practicable, but not later than 3 years after the otherwise applicable compliance date.

The Bureau of Safe Drinking Water has never issued any variances or exemptions.

Monitoring

A PWS is required to monitor and verify that the levels of contaminants present in the water do not exceed the MCL. If a PWS fails to have its water tested as required, then a monitoring violation occurs. A monitoring violation also includes failure to report test results correctly to the primacy agent.

Significant Monitoring Violations

For this report, significant monitoring violations are defined as any major monitoring violation that has occurred during the specified report interval. Most monitoring violations occur when no samples are taken or no results are reported during a compliance period. New Jersey's public water systems are required to monitor drinking water quality according to federal regulations (40 CFR Part 141) and New Jersey regulations (N.J.A.C. 7:10-1 et seq.).

Test results are reported by public water systems to the Bureau of Safe Drinking Water for compliance determination with reporting requirements and the drinking water standards. Maximum contaminant levels, or MCLs, are drinking water standards developed by either USEPA or NJDEP that are protective of health from ingested drinking water. Major categories of contaminants monitored in public community drinking water supplies are microbiological, inorganic chemicals including lead and copper, volatile organic chemicals, pesticides, radionuclides, turbidity and disinfection by-products, including total trihalomethanes and total haloacetic acids.

It is important to note that monitoring and reporting violations are generated for this report before all the violations have been verified. New Jersey's experience is that the actual number of verified monitoring and reporting violations will be significantly less than shown in the charts accompanying this report. Many of the violations will be deleted because subsequent information received will confirm that the water system was deactivated during the period the violations occurred or the sampling was indeed performed and the data is resubmitted.

Significant Consumer Notification Violations

For this report, Significant Consumer Notification Violations are modeled after the federal Consumer Confidence Report rule, under the provisions of the 1996 Amendments

to the federal Safe Drinking Water Act, that requires all community water systems to submit an annual report to their customers on the quality of their drinking water by July 1 of each year covering the water quality of the previous calendar year.

Additional Monitoring in New Jersey

Radiological

Radiological sampling of wells that draw water from Southern New Jersey's Cohansey aquifer has shown elevated levels of naturally occurring radioactivity. Studies were performed and it was determined that a significant portion of the gross alpha particle activity detected was a result of the presence of radium 224, a short lived radionuclide with a half-life of 3.7 days. There is no federal or state standard for radium 224. Only community water systems are currently required to sample for gross alpha particle activity.

With respect to radiological contamination, NJDEP has taken several steps to protect public health. The first step is requiring the analysis of drinking water samples for gross alpha particle activity within 48 hours instead of up to a year after collection. If the samples are analyzed quickly, increased gross alpha particle activity is detected that would not normally be detected because of the short half life of radium 224. The second is that the New Jersey Drinking Water Quality Institute (DWQI) was convened to address the issue of MCL setting for radium 224. The DWQI determined that analyzing samples within 48 hours for gross alpha is protective of public health and that a separate MCL for radium 224 was not needed. The third step is that in 2000, NJDEP began a program to sample all nontransient noncommunity water systems in the State, at State expense. Sampling of nontransient noncommunity systems was completed in 2002. If gross alpha particle activity was detected at a concentration greater than 5 pCi/l, the sample was analyzed for radium 226/228. If gross alpha particle activity was detected at a concentration greater than 15 pCi/l, a second sample was collected to confirm the elevated gross alpha particle activity. If elevated gross alpha particle activity (greater than 15 pCi/l) was confirmed or if combined radium 226/228 exceeded 5 pCi/l, an MCL letter was issued and the nontransient noncommunity system was advised they have one year to come into compliance.

Volatile Organic Chemicals and Synthetic Organic Chemicals

Transient noncommunity water systems are not required by federal law to sample for volatile organic chemicals or synthetic organic chemicals. However, a number of transient noncommunity water systems in New Jersey submit results of volatile organic chemical or synthetic organic chemical sampling to NJDEP's Bureau of Safe Drinking Water. These systems generally fall into one of two categories: either they have initiated sampling on their own or, more commonly, the transient noncommunity system was sampled as part of an investigation into a nearby contamination case. In either case, the results are kept in the same database as the results for other public water systems and if an MCL is exceeded, an MCL violation letter is issued and the transient noncommunity

water system is required to come into compliance within one year.

Conclusions

Individual water system MCL and treatment technique violation data for community and noncommunity water systems are presented in Appendices B (page 41) and D (page 46), respectively. Appendix C (page 44) lists community water system action level violations of the Lead and Copper Rule; nontransient noncommunity Lead and Copper Rule violations are presented in Appendix E (page 53).

The most notable item in this report is that the number of monitoring and reporting violations for coliform has declined or held steady for the past several years as seen in Table 4 on page 12. The improvement continues to come from both the continued consolidations of small community systems and increased contact with noncommunity systems as a result of changes initiated by NJDEP's Water Compliance and Enforcement Element in 1999. Those changes included transferring responsibility for the inspection of all State and federal noncommunity water systems from County agencies to NJDEP's Water Compliance and Enforcement Element, and requiring County agencies to pursue penalties for all violations after July 1, 1999 that cause a system to be, or continue to be, in "Significant Noncompliance." In addition, the implementation of a "zero tolerance" enforcement policy for violations on or after July 1, 2000 for noncommunity water systems is having an effect as CEHA agencies review and evaluate violations on a quarterly basis and take penalty actions for confirmed violations. In addition, the Bureau of Safe Drinking Water has formulated a capacity development strategy to assist public water systems with a history of significant non-compliance to achieve compliance, and has contracted with New Jersey Water Association to provide technical assistance to systems with MCL or M/R violations.

Following is a summary of 2002 violation data based on each contaminant group.

Microbiological

Total Coliform Rule:

Microbiological quality as measured by the total coliform test continues to yield good results for the monitoring performed in 2002. Between 2001 and 2002 there was a decrease in the number of acute violations and number of total coliform monthly violations. In all, 3.3% (139 out of 4138) public water systems (PWS) had a Total Coliform Rule MCL violation in 2002. This compares with 2001 when 4.7% (198 systems out of 4186 total systems) had total coliform rule MCL Violations.

The following table shows acute and monthly Total Coliform Rule MCL violations since 1996:

Table 4: Total Coliform Rule MCL Violations for all Public Water Systems

Year	Number of Total Coliform Rule MCL Violations			Number of Systems with Total Coliform Rule MCL Violations		
	Acute	Monthly	Total	Acute	Monthly	Total
2002	22	167	189	19	139	139
2001	41	229	270	40	195	198
2000	31	264	295	30	198	199
1999	44	181	225	41	141	143
1998	25	113	138	25	105	106
1997	15	122	137	14	95	109
1996	38	134	172	35	112	115

A total of 21,828 total coliform test result summary reports were sent to NJDEP in 2002. These test result summary reports summarize the results of between one and several hundred microbiological samples taken from each public water system either monthly or quarterly. Each time there was an acute MCL violation there was also a monthly coliform violation. Of the total, there were only 189 MCL violations. Therefore, 99% of the time that public water systems sampled, the results were within standards.

The following table shows the improving trend in monitoring/reporting violations for the Total Coliform Rule since 1996.

Table 5: Total Coliform Rule Monitoring/Reporting Violations for all Public Water Systems

Year	Number of Total Coliform Rule Monitoring/Reporting Violations	Number of Systems with Total Coliform Rule Monitoring/Reporting Violations	Percentage of Systems that Missed Sampling at Least Once During the Year	Total Number of Systems
2002	645	464	11%	4138
2001	692	477	11%	4186
2000	1070	667	16%	4249
1999	1468	859	19%	4423
1998	1736	972	22%	4464
1997	2195	1216	26%	4712
1996	2805	1384	29%	4740

As can be seen in the table above, monitoring compliance for microbial parameters was essentially the same as in 2001. Out of 4,138 PWS, 464 PWS (11%) missed sampling at least once during 2002, with a total of 645 total coliform test result summary reports missed.

Surface Water Treatment Rule (SWTR):

Compliance with the Surface Water Treatment Rule is no longer applicable for filtered systems serving a population greater than or equal to 10,000 after January 1, 2002. (See **IESWTR** below.) The only unfiltered surface water treatment plant in New Jersey signed a consent agreement to build a new treatment plant that was scheduled to be constructed by November 20, 2003. However, a severe storm event in August 2000 ruptured the pipeline between the surface water source and the water distribution system and unforeseen additional regulatory requirements have resulted in a time extension being granted until November 1, 2004.

Interim Enhanced Surface Water Treatment Rule (IESWTR):

Sampling under this new rule began in January 2002. There were six treatment technique violations for 2002. All six violations were for a brief duration after the new treatment technique value for turbidity came into effect on January 1, 2002.

Organic Chemicals

Volatile Organic Compounds (VOC) Rule:

There was an increase in the number of MCL violations for VOCs in 2002. Of the community water systems and nontransient noncommunity water systems that monitored for VOCs in 2002, 22 MCL violations were issued at 20 systems for volatile organic compounds. Nine community and 11 nontransient noncommunity systems received those MCL violations. In 2001 only 15 MCL violations were issued at 13 systems for VOCs. One community and 12 nontransient noncommunity received those MCL violations in 2001.

There was a slight increase in the VOC monitoring/reporting violations in 2002. Table 6 shows the trend since 1996. A total of 131 community and nontransient noncommunity water systems (57 community and 74 noncommunity) had at least one monitoring violation. The sum of the monitoring/reporting violations for VOCs in Table 8 (page 18) looks large (8,242) because each missed sample gets counted as 26 separate monitoring/reporting (M/R) violations for each of the 26 regulated compounds measured in the method and some systems have many entry points (treatment plants) that need to be monitored. Those water systems that did not provide a sufficient number of quarterly follow-up samples as a result of a detection of a VOC in the water system in 2002 were issued monitoring violations. For this 2002 report, the number of violations also includes those systems that did not perform sampling in the correct year of the three year compliance period (2002-2004).

Table 6: Volatile Organic Compound Monitoring/Reporting Violations

Year	Number of Volatile Organic Compound Monitoring/Reporting Violations	Number of Systems with Volatile Organic Compound Monitoring/Report Violations
2002	8242	131
2001	7098	116
2000	10,972	159
1999	13,676	208
1998	12,740	181
1997	16,926	229
1996	15,756	176

As discussed earlier in this report, NJDEP tracks transient noncommunity systems that submit data and exceed an MCL for a volatile organic compound. One transient noncommunity water system had an MCL violation in 2002. This is reported in Table 9 (page 31) and Appendix G (page 60).

Synthetic Organic Compounds (SOCs) Rule:

This group of compounds, mostly pesticides, benefits from the extensive studies and the monitoring and waiver program that has been developed. Every three years, community and nontransient noncommunity water systems are required to either sample for certain SOC's or obtain a waiver from sampling. The majority of affected public water systems in New Jersey obtain waivers from sampling. As part of this waiver process, every three years the Bureau of Safe Drinking Water collects samples from a select number of wells that serve community and nontransient noncommunity water systems and nearly all surface water bodies that supply water to community and nontransient noncommunity water systems. Surface water samples are taken under both storm conditions and base flow conditions. Raw water samples (before any treatment) are taken from ground water systems when possible. If significant detections are found in the raw water samples, a second round is collected that includes a raw water and finished water (point of entry) sample. In 2002, NJDEP developed the plan to collect screening samples from selected groundwater and surface water locations throughout the State to determine the levels of pesticides in the most vulnerable areas of the State for the 2002-2004 Compliance Period. Data collection began in 2003. These data will be used to issue SOC waivers for this period.

Total Trihalomethanes and Total Haloacetic Acids:

One community water system had an MCL violation for total trihalomethanes in 2002. A second system was given two years to comply with the MCL of 80µg/l, and extensive construction is underway at that system and is expected to be completed in December 2003. This second system is in compliance with 100µg/l for 2002. There were no MCL violations for total haloacetic acids.

Monitoring compliance for total trihalomethanes remains very high; there were only 7 monitoring/reporting (M/R) violations for trihalomethanes at 7 community water systems in 2002, while in 2001, there were 8 monitoring/reporting (M/R) violations for trihalomethanes at 7 community water systems. Under sampling requirements that began in 2002, there were 4 monitoring/reporting (M/R) violations for haloacetic acids at 2 community water systems in 2002.

Inorganic Chemicals (IOCs)

IOC and Nitrate:

In 2002, there were seven MCL violations at five community or nontransient noncommunity water systems for inorganic chemicals, excluding nitrate. There is a slight decrease in number of violations from 2001. There were three MCL violations for mercury, two for thallium and two for antimony in 2002. There were four MCL violations for mercury, two for cadmium and one for fluoride in 2001.

There is a slight increase in nitrate MCL violations in 2002, and continues to be a problem primarily of noncommunity water systems. There were three community water system in 2002 with nitrate MCL violations. In 2002, there were 30 nitrate MCL violations at 18 noncommunity water systems. In 2001 there was one community water system with a nitrate MCL violation, while there were 27 MCL violations at 17 noncommunity water systems.

The following table shows nitrate MCL violations and monitoring/reporting violations since 1996:

Table 7: Nitrate MCL and Monitoring/Reporting Violations

Year	Number of Nitrate MCL Violations	Number of Systems with Nitrate MCL Violations	Number of Nitrate Monitoring/Reporting Violations	Number of Systems with Nitrate Monitoring/Reporting Violations
2002	33	21	438	323
2001	29	18	403	290
2000	24	19	538	403
1999	29	26	642	540
1998	17	17	696	596
1997	24	19	1258	1035
1996	41	28	1594	1269

As seen in the above table, the monitoring of noncommunity water systems for nitrate has improved since 1996 even though the number is slightly larger in 2002.

Similar to improvements in the number of Total Coliform Rule monitoring and reporting violations, we believe this improvement comes from both the continued consolidation of small community systems and increased contact with noncommunity systems as a result of changes initiated by NJDEP's Water Compliance and Enforcement Element in 1999. Those changes included transferring responsibility for the inspection of all State and federal noncommunity water systems from County agencies to NJDEP's Water Compliance and Enforcement Element, and requiring County agencies to pursue penalties for all violations after July 1, 1999 that cause a system to be, or continue to be, in "Significant Noncompliance." In addition, the implementation of a "zero tolerance" enforcement policy for violations on or after July 1, 2000 for noncommunity water systems is beginning to have an effect as CEHA agencies review and evaluate violations on a quarterly basis and take penalty actions for confirmed violations.

Asbestos monitoring was required for some community and noncommunity systems. Results were excellent with no MCL violations. Some systems had to apply for waivers and some were granted waivers till 2010 based on past results and waiver information.

Lead and Copper Rule:

All large systems have completed their initial monitoring and treatment optimization studies.

The number of Action Level (AL) violations for 2002 is smaller for community water systems than the number in 2001. In 2002, there were 31 community water systems with 38 lead or copper action level violations, while in 2001 there were 36 community water systems with 46 lead or copper action level violations. In 2002 there were 107 nontransient noncommunity water systems with 147 lead or copper Action Level violations, while in 2001 there were 104 nontransient noncommunity water systems with 138 lead or copper action level violations.

There was a slight increase in the number of monitoring/reporting violations for the Lead and Copper Rule in 2002. In 2002 there were 6 monitoring/reporting violations at 3 public water systems, while in 2001 there were 4 monitoring/reporting violations at 2 community and nontransient noncommunity water systems.

Radiological Rule:

During 2002, no community water systems were in new violation of the gross alpha standard or the radium 226/228 standard. This was the case in 2001 also.

No monitoring/reporting violations were incurred for gross alpha and radium 226/228 testing for 2002.

As noted earlier, in 2000 NJDEP began testing nontransient noncommunity water systems for gross alpha activity using the accelerated testing protocol. As of the middle of 2002, all nontransient noncommunity water systems had been tested. For 2002, there were a total of 6 exceedances (both gross alpha and radium 226/228) at 6 nontransient noncommunity water systems. This is reported in Table 9 (page 31) and Appendix G (page 60).

Consumer Notification Violations:

One provision of the 1996 amendments to the Federal Safe Drinking Water act requires all community water systems to produce and distribute a Consumer Confidence Report to all customers of the community water systems and the NJDEP. This Consumer Confidence Report contains summary information about each water system including test results from the previous calendar year, along with "plain" language about drinking water in general, any applicable MCL Violation or Action Level exceedance data, and sources of drinking water. The first reports were sent to customers by October 19, 1999, containing primarily data from calendar year 1998; all subsequent reports are sent to customers by July 1 each year containing previous year test results. Four community water systems received consumer notification violations for the failure to submit a 2002 Consumer Confidence Report (2001 drinking water test results). This information has been incorporated into Table 8 (page 18). Appendix F (page 59) shows these 4 systems. In 2001, two community water systems received consumer notification violations for the failure to submit a Consumer Confidence Report.

Summary:

The quality of New Jersey's public drinking water continues to be excellent. Overall, the Bureau of Safe Drinking Water, with support from NJDEP's Water Compliance and Enforcement Element and county health agencies, continues to make progress in addressing MCL, treatment technique and monitoring violations. The Bureau of Safe Drinking Water's capacity development strategy is targeted to assist public water systems with a history of significant non-compliance to achieve compliance, and we expect continued improvements over the next several years, especially with those public water systems that have been in significant non-compliance.

State:	New Jersey
Reporting Interval:	January 1, 2002- December 31, 2002

Table 8
Violations Table
(with SDWIS Codes)

SDWIS Codes		MCL* (mg/l)		MCL Violations		Treatment Techniques		Significant Monitoring/Reporting	
		Federal MCL	State MCL (if different)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
	Organic Contaminants								
2981	1,1,1-Trichloroethane	0.2	0.03	0	0			317	131
2977	1,1-Dichloroethylene	0.007	0.002	0	0			317	131
2985	1,1,2-Trichloroethane	0.005	0.003	0	0			317	131
2378	1,2,4-Trichlorobenzene	0.07	0.009	0	0			317	131
2931	1,2-Dibromo-3-chloropropane (DBCP)	0.0002		0	0			0	0
2980	1,2-Dichloroethane	0.005	0.002	0	0			317	131
2983	1,2-Dichloropropane	0.005		0	0			317	131
2063	2,3,7,8-TCDD (Dioxin)	3×10^{-8}		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2110	2,4,5-TP	0.05		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2105	2,4-D	0.07		0	0			0	0
2265	Acrylamide					0	0		

* Values are in milligrams per liter (mg/l) unless otherwise specified

State:	New Jersey
Reporting Interval:	January 1, 2002- December 31, 2002

SDWIS Codes		MCL* (mg/l)		MCL Violations		Treatment Techniques		Significant Monitoring/Reporting	
		Federal MCL	State MCL (if different)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
2051	Alachlor	0.002		0	0			0	0
2050	Atrazine	0.003		0	0			0	0
2990	Benzene	0.005	0.001	5	5			317	131
2306	Benzo[a]pyrene	0.002		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2046	Carbofuran	0.04		0	0			0	0
2982	Carbon tetrachloride	0.005	0.002	2	2			317	131
2959	Chlordane	0.002	0.0005	Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2380	Cis-1,2-Dichloroethylene	0.07		0	0			317	131
2031	Dalapon	0.2		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2035	Di(2-ethylhexyl)adipate	0.4		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2039	Di(2-ethylhexyl)phthalate	0.006		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2964	Dichloromethane (methylene chloride)	0.005	0.003	2	2			317	131
2041	Dinoseb	0.007		0	0			0	0

*Values are in milligrams per liter (mg/l) unless otherwise specified.

State:	New Jersey
Reporting Interval:	January 1, 2002- December 31, 2002

SDWIS Codes		MCL* (mg/l)		MCL Violations		Treatment Techniques		Significant Monitoring/Reporting	
		Federal MCL	State MCL (if different)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
2032	Diquat	0.02		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2033	Endothall	0.1		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2005	Endrin	0.002		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2257	Epichlorohydrin					0	0		
2992	Ethylbenzene	0.7		0	0			317	131
2946	Ethylene dibromide (EDB)	0.00005		0	0			0	0
2034	Glyphosate	0.7		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2065	Heptachlor	0.00004		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2067	Heptachlor epoxide	0.0002		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2274	Hexachlorobenzene	0.001		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver

* Values are in milligrams per liter (mg/l) unless otherwise specified.

State:	New Jersey
Reporting Interval:	January 1, 2002- December 31, 2002

SDWIS Codes		MCL* (mg/l)		MCL Violations		Treatment Techniques		Significant Monitoring/Reporting	
		Federal MCL	State MCL (if different)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
2042	Hexachlorocyclopentadiene	0.05		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2010	Lindane	0.0002		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2015	Methoxychlor	0.04		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2989	Monochlorobenzene	0.1	0.05	0	0			317	131
2968	o-Dichlorobenzene	0.6		0	0			317	131
2969	Para-Dichlorobenzene	0.075		0	0			317	131
2383	Total polychlorinated biphenyls	0.0005		Statewide waiver	Statewide waiver			Statewide waiver	Statewide waiver
2326	Pentachlorophenol	0.001		0	0			0	0
2987	Tetrachloroethylene	0.005	0.001	6	6			317	131
2984	Trichloroethylene	0.005	0.001	5	5			317	131
2996	Styrene	0.1		1	1			317	131
2991	Toluene	1		0	0			317	131
2979	Trans-1,2-Dichloroethylene	0.1		0	0			317	131
2955	Xylenes (total)	10	1	0	0			317	131

* Values are in milligrams per liter (mg/l) unless otherwise specified.

State:	New Jersey
Reporting Interval:	January 1, 2002- December 31, 2002

SDWIS Codes		MCL* (mg/l)		MCL Violations		Treatment Techniques		Significant Monitoring/Reporting	
		Federal MCL	State MCL (if different)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
2020	Toxaphene	0.003		Statewide waiver	Statewide waiver			317	131
2036	Oxamyl	0.2		0	0			317	131
2040	Picloram	0.5		0	0			317	131
2037	Simazine	0.004		0	0			317	131
2976	Vinyl chloride	0.002		0	0			317	131
2867	Meta-Dichlorobenzene		0.06	0	0			317	131
2978	1,1-Dichloroethane		0.05	0	0			317	131
2251	Methyl tertiary-butyl ether		0.07	1	1			317	131
2248	Napthalene		0.3	0	0			317	131
2988	1,1,2,2-Tetrachloroethane		0.001	0	0			317	131
	Subtotal Organics			22	20			9510	131

* Values are in milligrams per liter (mg/l) unless otherwise specified.

State:	New Jersey
Reporting Interval:	January 1, 2002- December 31, 2002

SDWIS Codes		MCL* (mg/l)		MCL Violations		Treatment Techniques		Significant Monitoring/Reporting	
		Federal MCL	State MCL (if different)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
	Inorganic Contaminants								
1074	Antimony	0.006		2	2			7	4
1005	Arsenic	0.05		0	0			1	1
1094	Asbestos	7 million fibers/l >10 μ m/l		0	0			0	0
1010	Barium	2		0	0			3	1
1075	Beryllium	0.004		0	0			2	2
1015	Cadmium	0.005		0	0			6	3
1020	Chromium	0.1		0	0			11	5
1024	Cyanide (as free cyanide)	0.2		0	0			1	1
1025	Fluoride	4.0		0	0			1	1
1035	Mercury	0.002		2	2			9	5
1040	Nitrate	10 (as Nitrogen)		33	21			438	323
1041	Nitrite	1 (as Nitrogen)		0	0			6	6

* Values are in milligrams per liter (mg/l) unless otherwise specified.

State:	New Jersey
Reporting Interval:	January 1, 2002- December 31, 2002

SDWIS Codes		MCL* (mg/l)		MCL Violations		Treatment Techniques		Significant Monitoring/Reporting	
		Federal MCL	State MCL (if different)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
1045	Selenium	0.05		0	0			1	1
1085	Thallium	0.002		2	2			1	1
1038	Total nitrate and nitrite	10 (as Nitrogen)		See SDWIS code 1040	See SDWIS code 1040			See SDWIS code 1040	See SDWIS code 1040
	Radionuclide MCLs								
4000	Gross alpha	15 pCi/l		0	0			0	0
4010	Radium-226 and -228	5 pCi/l		0	0			0	0
4101	Gross beta	4 mrem/yr		0	0			0	0
	Subtotal inorganics plus radionuclides			40	26			511	354

* Values are in milligrams per liter (mg/l) unless otherwise specified.

State:	New Jersey
Reporting Interval:	January 1, 2002- December 31, 2002

SDWIS Codes		MCL		MCLs Violations		Treatment Techniques		Significant Monitoring/Reporting	
		Federal MCL	State MCL (if different)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
	Total Coliform Rule								
21	Acute MCL Violation	Presence		22	40				
22	Non-acute (monthly) MCL violation	Presence		167	139				
23, 25	Major routine and follow up monitoring							645	464
28	Sanitary survey*							0	0
	Subtotal Total Coliform Rule			189	139			645	464

*Number of major monitoring violations for sanitary survey under the Total Coliform Rule.

State:	New Jersey
Reporting Interval:	January 1, 2002- December 31, 2002

SDWIS Codes		MCL		MCL Violations		Treatment Techniques		Significant Monitoring/Reporting	
		Federal MCL	State MCL (if different)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
	Surface Water Treatment Rule								
	Filtered systems								
36	Monitoring, routine/repeat							1	1
41	Treatment techniques					0	0		
	Unfiltered systems								
31	Monitoring, routine/repeat							0	0
42	Failure to filter					0	0		
	Subtotal Surface Water Treatment Rule					0	0	1	1

State:	New Jersey
Reporting Interval:	January 1, 2002 - December 31, 2002

SDWIS Codes		MCL		MCL Violations		Treatment Techniques		Significant Monitoring/Reporting	
		Federal MCL	State MCL (if different)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
	Interim Enhanced Surface Water Treatment Rule								
	Filtered systems								
38	Monitoring, routine/repeat							34	7
37	Treatment techniques					0	0		
43	Treatment techniques					4	4		
44	Treatment techniques					2	2		
47	Treatment Techniques					0	0		
	Subtotal Interim Enhanced Surface Water Treatment Rule					6	6	34	7

State:	New Jersey
Reporting Interval:	January 1, 2002 - December 31, 2002

SDWIS Codes		*MCL/ MRDL (µg/l)		MCL/.MRDL Violations		Treatment Technique Violations		Significant Monitoring/Reporting	
		Federal MCL/ MRDL	State MCL/ MRDL (if different)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
	Stage 1 Disinfectants and Disinfection Byproducts Rule								
27	Monitoring and Reporting (4 HAA5 for 2 systems and 7 TTHM for 7 systems)							11	9
02	Average MCL (TTHMS)	80		2	2				
02	Average MCL (HAA5)	60		0	0				
02	Average MCL Bromate	10		0	0				
02	Average MCL Chlorite	1000		0	0				
11	MRDL Chlorine	4.0 ppm as chlorine		0	0				
11	MRDL Chloramine	4.0 ppm as chlorine		0	0				
11	MRDL Chlorine Dioxide	800		0	0				
13	MRDL Acute			0	0				
12, 37, 46	Treatment Techniques			0	0				
	Subtotal of Stage 1 Disinfectants and Disinfection Byproducts Rule.			2	2	0	0	11	9

* Values are in micrograms per liter (µg/l) unless otherwise specified.

State:	New Jersey
Reporting Interval:	January 1, 2002 - December 31, 2002

SDWIS Codes		MCL		MCL Violations		Treatment Techniques		Significant Monitoring/Reporting	
		Federal MCL	State MCL (if different)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
	Lead and Copper Rule								
51	Initial lead and copper tap M/R							6	3
52	Follow up or routine lead and copper tap M/R							2	1
58,62	Treatment installation					0	0		
65	Public Education					0	0		
	Subtotal Lead and Copper Rule					0	0	8	4

State:	New Jersey
Reporting Interval:	January 1, 2002- December 31, 2002

SDWIS Codes		MCL		MCL Violations		Treatment Techniques		Significant Monitoring/Reporting	
		Federal MCL	State MCL (if different)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
	Consumer Confidence Reporting								
71	Significant Consumer Notification Violations							4	4

State:	New Jersey
Reporting Interval:	January 1, 2002 - December 31, 2002

**Table 9 -Additional Monitoring in New Jersey
Violations Table
(with SDWIS Codes)**

SDWIS Codes		MCL* (mg/l)		MCL Violations		Treatment Techniques		Significant Monitoring/Reporting	
		Federal MCL	State MCL (if different)	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
	Organic Contaminants for transient noncommunity water systems								
2984	Trichloroethylene	0.005	0.001	1	1				
	Radionuclide MCLs for nontransient noncommunity water systems								
4000	Gross alpha	15 pCi/l		5	5				
4010	Radium-226 and -228	5 pCi/l		6	6				

*Values are in milligrams per liter (mg/l) unless otherwise specified

Definitions for Violations Tables 8 and 9

The following definitions apply to the Summary of Violations table.

Consumer Confidence Reports: SDWIS Violation Code 71 indicates that a Community Water System failed to submit a CCR as required by the Federal Safe Drinking Water Act.

Filtered Systems: Water systems that have installed filtration treatment [40 CFR 141, Subpart H].

Inorganic Contaminants: Non-carbon-based compounds such as metals, nitrates, and asbestos. These contaminants are naturally occurring in some water, but can get into water through farming, chemical manufacturing, and other human activities. USEPA has established MCLs for 15 inorganic contaminants [40 CFR 141.62].

Interim Enhanced Surface Water Treatment Rule (IESWTR): IESWTR establishes criteria under which water systems supplied by surface water sources, or ground water sources under the direct influence of surface water, must filter and disinfect their water [40 CFR 141, Subpart P]. Violations of the IESWTR are to be reported for the following two categories:

Treatment techniques (for filtered systems): Treatment technique violation codes shows a system's failure to properly treat its water. SDWIS Violation Codes 37 is for a change in disinfection without state approval. SDWIS Violation Code 43 is for failure to achieve turbidity <1.0 NTU in all samples. SDWIS Violation Code 44 is for failure to achieve turbidity < 0.3 NTU in 95% of samples and SDWIS Violation Code 47 is for construction of uncovered finished water storage cell.

Monitoring Reporting (for filtered systems): A major Interim Enhanced Surface Water Treatment Rule (IESWTR) monitoring/reporting (M/R) violation occurs under the following seven conditions:

SDWIS Violation code 29 occurs under the following conditions:

- Failure to report filter profile after turbidity > 0.5 in two consecutive measurements 15 min. apart after first 4 hrs after filter taken offline.
- Failure to report filter profile after turbidity >1.0 in 2 consecutive measurements, 15 minutes apart.
- Failure to report self-assessment of filter within 14 days of turbidity exceedance (>1.0 in 2 consecutive Measurements 15 minute apart, 3 consecutive months.)
- Failure to conduct CPE within 30 days after turbidity exceedance (>2.0 in 2 consecutive measure. 15 min apart, 2 consecutive months.)

SDWIS Violation Code 38 occurs under the following conditions:

- Collecting < 90% of filter effluent samples for turbidity and reporting within 10 days after each month.
- Failure to report that the public water system has conducted all filter monitoring to state within 10 days after end of each month.
- Failure to report that the system exceeded turbidity standard in representative samples by end of next business day.

A minor violation under the IESWTR of SDWIS code 38 occurs for any other failure to monitor and report.

Record Keeping Violation: SDWIS Violation Code 09 is for any record keeping violation which occurs when there is a failure to maintain filter monitoring records for 3 years (filter results every 15 minutes).

Lead and Copper Rule: This rule established national limits on lead and copper in drinking water [40 CFR 141.80-91]. Lead and copper corrosion pose various health risks when ingested at any level, and can enter drinking water from household pipes and

plumbing fixtures. States report violations of the Lead and Copper Rule in the following six categories:

Initial lead and copper tap M/R: SDWIS Violation Code 51 indicates that a system did not meet initial lead and copper testing requirements, or failed to report the results of those tests to the State.

Follow-up or routine lead and copper tap M/R: SDWIS Violation Code 52 indicates that a system did not meet follow-up or routine lead and copper tap testing requirements, or failed to report the results.

Treatment installation: SDWIS Violation Codes 58 AND 62 indicate a failure to install optimal corrosion control treatment system (58) or source water treatment system (62) which would reduce lead and copper levels in water at the tap. [One number is to be reported for the sum of violations in these two categories].

Public education: SDWIS Violation Code 65 shows that a system did not provide required public education about reducing or avoiding lead intake from water.

Maximum Contaminant Level (MCL): The highest amount of a contaminant that USEPA allows in drinking water. MCLs ensure that drinking water does not pose either a short-term or long-term health risk. MCLs are defined in milligrams per liter (parts per million) unless otherwise specified.

Maximum Residual Disinfectant Level (MRDL): The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Monitoring: USEPA specifies which water testing methods the water systems must use, and sets schedules for the frequency of testing. A water system that does not follow USEPA's schedule or methodology is in violation [40 CFR 141].

States must report monitoring violations that are significant as determined by the USEPA Administrator and in consultation with the States. For purposes of this report, significant monitoring violations are major violations and they occur when no samples are taken or no results are reported during a compliance period. A major monitoring violation for the surface water treatment rule occurs when at least 90% of the required samples are not taken or results are not reported during the compliance period.

Organic Contaminants: Carbon-based compounds, such as industrial solvents and pesticides. These contaminants generally get into water through runoff from cropland or discharge from factories. USEPA has set legal limits on 54 organic contaminants that are to be reported [40 CFR 141.61].

Radionuclides: Radioactive particles, which can occur naturally in water or result from human activity. USEPA has set legal limits on four types of radionuclides: radium-226, radium-228, gross alpha, and beta particle/photon radioactivity [40 CFR 141]. Violations for these contaminants are to be reported using the following three categories:

Gross alpha: SDWIS Contaminant Code 4000 for alpha radiation above MCL of 15 picocuries/liter. Gross alpha includes radium-226 but excludes radon and uranium.

Combined radium-226 and radium-228: SDWIS Contaminant Code 4010 for combined radiation from these two isotopes above MCL of 5 pCi/L.

Gross beta: SDWIS Contaminant Code 4101 for beta particle and photon radioactivity from man-made radionuclides above 4 millirem/year.

Reporting Interval: The reporting interval for violations to be included in the first PWS Annual Compliance Report, which is to be submitted to USEPA by January 1, 1998, is from July 1, 1996 through June 30, 1997. This interval will change for future annual reports. See guidance language for these intervals.

SDWIS Code: Specific numeric codes from the Safe Drinking Water Information System (SDWIS) have been assigned to each violation type included in this report. The violations to be reported include exceeding contaminant MCLs, failure to comply with treatment requirements, and failure to meet monitoring/reporting (M/R) requirements. Four-digit SDWIS Contaminant Codes have also been included in the chart for specific MCL contaminants.

Surface Water Treatment Rule (SWTR): The Surface Water Treatment Rule establishes criteria under which water systems supplied by surface water sources, or ground water sources under the direct influence of surface water, must filter and disinfect their water [40 CFR 141, Subpart H].

Violations of the “Surface Water Treatment Rule” are to be reported for the following four categories:

Monitoring, routine/repeat (for filtered systems): SDWIS Violation Code 36 indicates a system’s failure to carry out required tests, or to report the results of those tests.

Treatment techniques (for filtered systems): SDWIS Violation Code 41 shows a system’s failure to properly treat its water.

Monitoring, routine/repeat (for unfiltered systems): SDWIS Violation Code 31 indicates a system’s failure to carry out required water tests, or to report the results of those tests.

Failure to filter (for unfiltered systems): SDWIS Violation Code 42 shows a system's failure to properly treat its water. Data for this violation code will be supplied to the States by USEPA.

Stage 1 Disinfectants and Disinfection Byproducts Rule (Stage 1 DBPR): This rule applies to all community water systems (CWS) and nontransient noncommunity water system (NTNCWS) that add a chemical disinfectant in any part of the drinking water treatment process and transient noncommunity (TNC) water system using chlorine dioxide. The Stage 1 DBPR includes maximum residual disinfectant levels (MRDLs) and maximum residual disinfectant level goals (MRDLGs) which are similar to MCLs and MCLGs but for disinfectants. [40CFR 141, Subpart L]. Violations of the Stage 1 DBPR are to be reported for the following three categories.

Treatment Techniques: SDWIS Violation Code 12 is for failure to have a qualified operator. SDWIS Code 37 is for failure to get state approval for a change in treatment. SDWIS Code 46 is for failure to meet disinfectant byproduct precursor removal (TOC).

Maximum Contaminant Level (MCL) and Maximum Residual Disinfectant Levels (MRDL):

SDWIS Violation Code 02 is an MCL Violation that occurs when:

- Average of any three-sample set exceeds the MCL of 1.0 mg/L for chlorite.
- Running annual averages computed quarterly of monthly samples exceeds the MCL of 0.010 mg/L for bromate.
- Running annual averages computed quarterly of quarterly averages of available samples exceeds 0.060 mg/L for HAA5.
- Running annual averages computed quarterly of quarterly averages of available samples exceeds 0.080 mg/L for TTHM.

SDWIS Violation Code 11 is an MRDL Violation that occurs when:

- Any two consecutive daily samples exceed 0.8 mg/L and all distribution samples are less than 0.8 mg/L for chlorine dioxide (non-acute violation).

- Annual average computed quarterly, of monthly averages exceeds 4.0 mg/L for chloramines (exception if microbial contamination problems).
- There is an exceedance of MRDL of 4.0 mg/L for chlorine (exception of microbial contamination problems in distribution system).

SDWIS Violation Code 13 is an MRDL violation that occurs when:

- Any of three required distribution samples taken on day after a daily entry point sample MRDL exceeds 0.8 mg/L for chlorine dioxide (acute violation).

Monitoring Reporting (M/R): SDWIS Violation Code 27 address insufficient sample collection for samples required under the Stage 1 DBPR.

Total Coliform Rule (TCR): The Total Coliform Rule establishes regulations for microbiological contaminants in drinking water. These contaminants can cause short-term health problems. If no samples are collected during the one-month compliance period, a significant monitoring violation occurs. States are to report four categories of violations:

Acute MCL violation: SDWIS Violation Code 21 indicates that the system found fecal coliform or E. coli, potentially harmful bacteria, in its water, thereby violating the rule.

Non-acute MCL violation: SDWIS Violation Code 22 indicates that the system found total coliform in samples of its water at a frequency or at a level that violates the rule. For systems collecting fewer than 40 samples per month, more than one positive sample for total coliform is a violation. For systems collecting 40 or more samples per month, more than 5% of the samples positive for total coliform is a violation.

Major routine and follow-up monitoring: SDWIS Violation Codes 23 AND 25 show that a system did not perform any monitoring. [One number is to be reported for the sum of violations in these two categories.]

Sanitary Survey: SDWIS Violation Code 28 indicates a major monitoring violation if a system fails to collect 5 routine monthly samples if sanitary survey is not performed.

Treatment Techniques: A water disinfection process that USEPA requires instead of an MCL for contaminants that laboratories cannot adequately measure. Failure to meet other operational and system requirements under the Surface Water Treatment and the Lead and Copper Rules have also been included in this category of violation for purposes of this report.

Unfiltered Systems: Water systems that do not need to filter their water before disinfecting it because the source is very clean [40 CFR, Subpart H].

Violation: A failure to meet any state or federal drinking water regulation.

Appendix A

The Safe Drinking Water Act Amendments of 1996 includes the following as a specific requirement:

(A) ANNUAL REPORT BY STATE

Section 1414(c)(3)(A)(i)

IN GENERAL - Not later than January 1, 1998, and annually thereafter, each State that has primary enforcement responsibility under section 1413 shall prepare, make readily available to the public, and submit to the Administrator an annual report on violations of national primary drinking water regulations by public water systems in the State, including violations with respect to (I) maximum contaminant levels, (II) treatment requirements, and (III) variances and exemptions, and (IV) monitoring requirements determined to be significant by the Administrator (of USEPA) after consultation with the States.

Section 1414(c)(3)(A)(ii)

DISTRIBUTION - The State shall publish and distribute summaries of the report and indicate where the full report is available for review.

Appendix B: Community Water System 2002 MCL and Treatment Technique Violations

New Jersey Department of Environmental Protection

PWSID	System Name	Fac #	Violation Date	Contaminant Name	Treatment Status	Compliance Status	COMMENT
0108002	ENGLISH CREEK MANOR M H PARK	01	1/1/2002	BENZENE			On quarterly monitoring
0108006	TOWER MOBILE HOMES	01	1/1/2001	MERCURY	R		On quarterly monitoring
0112003	INLAND ESTATES		8/1/2002	COLIFORM	N		Monthly Violation
0211001	ELMWOOD PARK WATER DEPT		7/1/2002	COLIFORM			Monthly Violation
0211001	ELMWOOD PARK WATER DEPT		8/1/2002	COLIFORM			Monthly Violation
0211001	ELMWOOD PARK WATER DEPT		10/1/2002	COLIFORM		RTC	Monthly Violation
0325001	US ARMY FORT DIX	01	3/1/02	TURBIDITY		RTC 4/1/02	
0326002	DEEP WELL TERRACE		5/1/2002	COLIFORM	N	RTC	Monthly Violation
0326009	WAGON WHEEL ESTATES		7/1/2002	COLIFORM	N	RTC	Monthly Violation
0335001	ALLENWOOD MOBILE ESTATES		3/1/2002	COLIFORM	N	RTC	Monthly Violation
0436007	WINSLOW TWP MUNICIPAL UTILITIE	02	1/1/2002	METHYL TERTIARY BUTYL ETHER			Installed
0612001	J & J COMMUNITY PARK	01	7/1/2002	NITRATE	R	PN Req.8/28/	
0614003	VINELAND WATER & SEWER UTILITY	02	1/1/2002	TETRACHLOROETHYLENE	R	PN Req. 11/21/02	
0614003	VINELAND WATER & SEWER UTILITY	05	1/1/2002	BENZENE	R	PN Req. 11/21/02	
0702001	BLOOMFIELD WATER DEPT		7/1/2002	COLIFORM	N	RTC	Monthly Violation
0707001	FAIRFIELD WATER DEPT		7/1/2002	COLIFORM	N	RTC	Monthly Violation
0715001	NORTH CALDWELL WATER DEP		6/1/2002	COLIFORM	N	RTC	Monthly Violation
0715001	NORTH CALDWELL WATER DEP		7/1/2002	COLIFORM	N	RTC	Monthly Violation
0715001	NORTH CALDWELL WATER DEP		8/1/2002	COLIFORM	N	RTC	Monthly Violation
0811002	MONROE TWP MUA	04	1/1/2002	BENZENE	U		Under construction
1015002	CONSUMERS NJ W C		11/1/2002	COLIFORM	N	RTC 1/03	Monthly Violation

1019001	CONSUMER NJ WATER CO-BLUNNVAI F		8/1/2002	COLIFORM	N	RTC 1/03	Monthly Violation
1019003	CAMELOT AT SPRUCE RIDGE		5/1/2002	COLIFORM	N	RTC 6/02	Monthly Violation
1105001	HOPEWELL BORO W DEPT	04	1/1/2002	TETRACHLOROETHYLENE	I		Unconfirmed MCL violation. Ongoing quarterly monitoring.
1216001	PERTH AMBOY DEPT	01	3/6/2002	TURBIDITY		RTC 4/6/02	
1352005	NJ WATER SUPPLY AUTH. MANASQUAN	01	4/5/2002	TURBIDITY			2 HR Duration.
1401001	BOONTON WATER DEPT.	01	5/8/2002	TURBIDITY			4 HR Duration
1402001	SARAH FRANCES TALLY HO		11/1/2002	COLIFORM		RTC	Monthly Violation
1402001	SARAH FRANCES TALLY HO		11/1/2002	COLIFORM		RTC	Acute Violation
1408002	ST FRANCIS RESIDENTIAL COMM	01	1/1/2002	TETRACHLOROETHYLENE		RTC 6/02	
1414009	MOUNTAIN SHORE WATER SUP	01	10/1/2002	NITRATE			
1420001	MINE HILL TWP WATER DEPT		6/1/2002	COLIFORM			Monthly Violation
1427010	NJ VASA HOME WATER SYS		5/1/2002	COLIFORM		RTC	Monthly Violation
1427010	NJ VASA HOME WATER SYS		9/1/2002	COLIFORM		RTC	Monthly Violation
1436001	HERCULES INC-KENVIL NJ SITE	01	1/1/2002	TRICHLOROETHYLENE			
1436003	ROXBURY TWP W DEPT-SHORE		7/1/2002	COLIFORM			Monthly Violation
1511007	SHADY OAK TRAILER COURT		8/1/2002	COLIFORM	N	RTC	Monthly Violation
1511017	JACKSON COLONIAL ARMS AP		7/1/2002	COLIFORM		RTC 8/02	Monthly Violation
1514002	LAKESWOOD TWP MUA		3/1/2002	COLIFORM		RTC 4/30/02	Monthly Violation
1518010	MANCHESTER VILLAGE		11/1/2002	COLIFORM		RTC	Monthly Violation
1523002	JENSENS DEEP RUN ADULT VLG	01	1/1/2002	STYRENE			Still outstanding
1523002	JENSENS DEEP RUN ADULT VLG		6/1/2002	COLIFORM		RTC	Monthly Violation
1532002	TUCKERTON WATER & SEWER		8/1/2002	COLIFORM		RTC	Monthly Violation
1603001	HALEDON WATER DEPT	01	1/1/2002	TOTAL TRIHALO METHANES	I	RTC 8/02	Chloramination Treatment (80 ug/l Viol)
1605002	PASSAIC VALLEY W COMM	01	5/10/2002 & 6/10/02	TURBIDITY		RTC 7/10/02	

1605002	PASSAIC VALLEY W COMM	01	1/1/2002	TOTAL TRIHALOMETHANES	I		New WTP will be on-line 12/03 (100 ug/l Viol)
1611002	RINGWOOD WATER DEPT		6/1/2002	COLIFORM			Monthly Violation
1611002	RINGWOOD WATER DEPT		8/1/2002	COLIFORM			Monthly Violation
1611002	RINGWOOD WATER DEPT		9/1/2002	COLIFORM		RTC 11/30/02	Monthly Violation
1611002	RINGWOOD WATER DEPT		10/1/2002	COLIFORM			Monthly Violation
1613002	WANAQUE W DEPT.		8/1/2002	COLIFORM			Monthly Violation
1912005	HOPATCONG WATER DEPT-	01	4/1/2002	NITRATE			
1915001	NEWTON WATER AND SEWER		12/1/2002	TURBIDITY	R		Original ACO of 8/25/97 was amended 6/4/02 to extend their time limit to 11/01/04.
1918004	SPARTA TWP WATER LAKE MO		9/1/2002	COLIFORM			Monthly Violation
1922011	SUNSET RIDGE WATER CO		11/1/2002	COLIFORM			Monthly Violation
1922019	U W V H OMEGA DRIVE	01	1/1/2002	BENZENE			
1922028	VALLEY VIEW APARTMENTS		9/1/2002	COLIFORM			Monthly Violation
2013001	UNITED WATER RAHWAY	01	5/7/02	TURBIDITY			2 HR Duration
2114001	TAMARACK ROAD MHP		6/1/2002	COLIFORM		RTC 8/30/02	Monthly Violation
2114001	TAMARACK ROAD MHP		7/1/2002	COLIFORM		RTC	Monthly Violation

KEY TO APPENDIX B:

*Treatment Status: N = Not required, R = Required but not installed, I = Installed, U = Under construction

** Compliance Status: PN = Public notice, RTC = Return to Compliance

Appendix C: Community Water System 2002 Action Level Violation New Jersey Department of Environmental Protection

PWSID	SYSTEM NAME	VIOLATION DATE	CONTAMINANT NAME	TREATMENT STATUS	COMPLIANCE STATUS	COMMENT
0108014	TOWER EAST MOBILE	6/30/2002	COPPER	R		Required, not installed
0111007	EVERGREEN WOODS	6/30/2002	LEAD	R		Required, not installed
0112002	BLACK HORSE MANOR	6/30/2002	LEAD	R		Required, not installed
0233001	MAHWAH WATER	6/30/2002	LEAD		RTC 12/31/02	
0332002	OAKVIEW LEISURE	6/30/2002	COPPER	R, U		Under construction 10/30/02
0332002	OAKVIEW LEISURE	12/31/200	COPPER	R, U		Under construction 10/30/02
0436010	WINSLOW COURT	6/30/2002	LEAD	R		Required, not installed
0503001	CAPE MAY POINT	6/30/2002	LEAD	R	PN Req. 2/6/02	Required, not installed
0605002	TIPS TRAILER PARK &	12/31/200	COPPER	R		Required, not installed
0605002	TIPS TRAILER PARK &	12/31/200	LEAD	R		Required, not installed
0607001	HOPEWELL PLACE	6/30/2002	COPPER	R	PN Req	Required, not installed
0607001	HOPEWELL PLACE	12/31/200	COPPER	R	PN Req	Required, not installed
0701001	BELLEVILLE WATER	6/30/2002	LEAD		RTC 2/02	
0713001	MONTCLAIR WATER	6/30/2002	LEAD	I		Treatment Installed 12/3/02
0720001	VERONA WATER	6/30/2002	LEAD	N	RTC 4/23/03	Not required
0901001	BAYONNE MUA	6/30/2002	LEAD	N		Treatment Installed by NJDWSC
0901001	BAYONNE MUA	12/31/2002	LEAD	N		Treatment installed by NJDWSC
0907001	KEARNY W DEPT	6/30/2002	LEAD	N		Treatment installed by NJDWSC
0907001	KEARNY W DEPT	12/31/2002	LEAD	N		Treatment installed by NJDWSC
1019001	CONSUMER NJ WATER	6/30/2002	COPPER	I		Follow up sampling due 1/03
1019001	CONSUMER NJ WATER	6/30/2002	LEAD	I		Follow up sampling due 1/03
1019001	CONSUMER NJ WATER	12/31/200	COPPER	I		Follow up sampling due 1/03

1406002	WINDY ACRES MOBILE	6/30/2002	LEAD			
1408002	ST FRANCIS	12/31/200	LEAD			
1414003	JEFFERSON TWP W U	6/30/2002	COPPER			
1414003	JEFFERSON TWP W U	12/31/200	COPPER			
1414003	JEFFERSON TWP W U	12/31/200	LEAD			
1414005	JEFFERSON TWP W U	6/30/2002	COPPER			
1416001	LINCOLN PARK WATER	6/30/2002	LEAD			
1427008	MT OLIVE TWP WD	6/30/2002	COPPER			
1427008	MT OLIVE TWP WD	12/31/200	COPPER			
1438001	CLIFFSIDE PARK	6/30/2002	LEAD			
1530001	WEST BAY VILLAGE	12/31/200	COPPER	E	NOV 9/13/02	pH adjustment/ hypochlorite
1710003	PICNIC GROVE MOBILE	6/30/2002	LEAD	R		
1911005	HARDYSTON TWP MUA	6/30/2002	COPPER			
1912005	HOPATCONG WATER	6/30/2002	COPPER			
1915001	NEWTON WATER &	6/30/2002	LEAD			
1922023	U W V H MACINTOSH	12/31/200	LEAD			

KEY TO APPENDIX C:

*Treatment Status: N = Not required, R = Required but not installed, I = Installed, U = Under construction

** Compliance Status: PN = Public notice, RTC = Return to Compliance, NOV = Notice of violation.

Appendix D: Noncommunity Water System 2002 MCL Violations New Jersey Department of Environmental Protection

V_PWID	NF_SYSNAME	V_VDATE	C_CONNAME	TREA	COMP_ST	COMMENT
0104318	FIBERTECH GROUP INC WELL 2	7/1/2002	NITRATE	N		Providing bottled water.
0104318	FIBERTECH GROUP INC WELL 2	1/1/2002	NITRATE	N		Providing bottled water.
0104318	FIBERTECH GROUP INC WELL 2	10/1/2002	NITRATE	N		Providing bottled water.
0105321	TUCKAHOE ENTERPRISES	4/1/2002	NITRATE			On quarterly monitoring.
0105323	ST MARY'S SCHOOL	4/1/2002	NITRATE			On quarterly monitoring.
0105339	RICHLAND GLASS CO., INC.	1/1/1999	MERCURY			On quarterly monitoring.
0110320	AMERICAN GALVANIZING CO	1/1/2002	BENZENE			On quarterly monitoring
0111393	POMONA PLAZA	1/1/2002	MERCURY			
0113354	ANGELLO'S GROCERIES	4/1/2002	COLIFORM			Acute Violation
0113354	ANGELLO'S GROCERIES	5/1/2002	COLIFORM			Monthly Violation
0113354	ANGELLO'S GROCERIES	4/1/2002	COLIFORM			Monthly Violation
0118301	PIZZA DIROMA	1/1/2002	COLIFORM			Monthly Violation
0233315	CAMPGAW RESERVATION (E)	4/1/2002	COLIFORM		RTC 10/22/02	Monthly Violation
0233315	CAMPGAW RESERVATION (E)	6/1/2002	COLIFORM		RTC 10/22/02	Monthly Violation
0241300	NORWOOD SWIM CLUB	4/1/2002	COLIFORM		RTC 6/8/02	Monthly Violation
0248302	SATURN OF RAMSEY	1/1/2002	TRICHLORO ETHYLENE		RTC 11/13/02	
0255300	ROCKLEIGH GC BERGEN COUN	7/1/2002	COLIFORM		RTC 12/20/02	Acute Violation
0255300	ROCKLEIGH GC BERGEN COUN	7/1/2002	COLIFORM		RTC 12/20/02	Monthly Violation
0255300	ROCKLEIGH GC BERGEN COUN	8/1/2002	COLIFORM		RTC 12/20/02	Monthly Violation
0255300	ROCKLEIGH GC BERGEN COUN	4/1/2002	COLIFORM		RTC 12/20/02	Monthly Violation
0255300	ROCKLEIGH GC BERGEN COUN	8/1/2002	COLIFORM		RTC 12/20/02	Acute Violation
0301320	SPEEDY DELI	4/1/2002	COLIFORM	N	RTC 8/12/02	Monthly Violation
0313305	CUMBERLAND FARMS	11/1/2002	COLIFORM	N	RTC 12/30/02	Monthly Violation
0320310	LEXINGTON BUILDING-PROF.	4/1/2002	COLIFORM	N	RTC 6/19/02	Monthly Violation
0320329	MEDFORD INDUSTRIAL PK,	10/1/2002	COLIFORM	N	RTC 11/27/02	Monthly Violation
0324308	RAMBLEWOOD EXXON	7/1/2002	COLIFORM	N		Inactive

0329320	PEMBERTON FARMS	10/1/2002	COLIFORM	N	RTC 10/29/02	Monthly Violation
0333322	RED TOP FARM MARKET	7/1/2002	COLIFORM	N		Acute Violation, Seasonal
0333322	RED TOP FARM MARKET	7/1/2002	COLIFORM	N		Monthly Violation, Seasonal
0334314	WAWA STORE #345	9/1/2002	COLIFORM	N	RTC 12/30/02	Monthly Violation
0335322	NIXON'S GENERAL STORE	7/1/2002	COLIFORM	N	RTC 10/10/02	Monthly Violation
0339301	BILLY BOYS FOUR MILE	1/1/2002	NITRATE		RTC 6/27/02	New well installed
0406311	SIGCO TOOL & PLASTICS	1/1/2002	COLIFORM			Monthly Violation
0435327	INTERPROD, INC.	1/1/2002	METHYLENE CHLORIDE	R, U		On quarterly monitoring
0436390	WINSLOW UNITED METHODIST	1/1/2002	NITRATE			On quarterly monitoring
0506345	KING NUMMY CG-WELLS 5 &	1/1/2002	NITRATE			On quarterly monitoring
0605300	FAIRFIELD ADULT MED DAY	1/1/2002	NITRATE	R		
0605300	FAIRFIELD ADULT MED DAY	10/1/2002	NITRATE	R		
0608308	SHEPPARD FARMS	10/1/2002	NITRATE			On quarterly monitoring
0609311	CUMBERLAND COUNTRY	1/1/2002	COLIFORM			Monthly Violation
0613308	THE RED BARN DELI	10/1/2002	NITRATE			
0613308	THE RED BARN DELI	7/1/2002	NITRATE			
0613308	THE RED BARN DELI	1/1/2002	NITRATE			
0613320	FRANCO'S PLACE	1/1/2002	NITRATE			
0722303	ESSEX HOUSE	10/1/2002	COLIFORM	N	RTC	Monthly Violation
0805419	CHURCH OF THE NATINITY	10/1/2002	NITRATE			
0805444	NEW LIFE IN CHRIST MINISTRY,	10/1/2002	NITRATE			
0807301	EL DUPONT DENEMOURS & CO	1/1/2002	TETRACHLOR OETHYLENE			
0811324	CHILDRENS GARDEN NURSERY	1/1/2002	NITRATE			
0818449	CHAMPS	10/1/2002	COLIFORM			Monthly Violation
1001310	CONNIE PASTERKIEWICZ	4/1/2002	COLIFORM	N	RTC 7/22/02	Monthly Violation
1001310	CONNIE PASTERKIEWICZ	4/1/2002	COLIFORM	N	RTC 7/22/02	Acute Violation
1010309	GARDEN STATE GROWERS	4/1/2002	COLIFORM	N	RTC 7/25/02	Monthly Violation
1010309	GARDEN STATE GROWERS	4/1/2002	COLIFORM	N	RTC 7/25/02	Acute Violation
1016303	MAGNESIUM ELECKTRON INC	1/1/2002	COLIFORM	N	RTC 2/1/02	Monthly Violation
1016311	THE CORNER STORE	1/1/2002	COLIFORM	N	RTC 3/20/02	Monthly Violation
1018300	ROMANO PROFESSIONAL CTR.	4/1/2002	COLIFORM	N	RTC 7/22/02	Monthly Violation

1021315	CTR FOR ED ADVANCEMENT-M	1/1/2002	TRICHLORO ETHYLENE	N	RTC 7/22/02	
1021326	DELI WORKS	4/1/2002	COLIFORM	N	RTC 6/25/02	Monthly Violation
1021351	HITRAN CORP	1/1/2002	ANTIMONY	R		Follow up sampling required.
1021351	HITRAN CORP	1/1/2002	THALLIUM	R		Follow up sampling required.
1021404	CENTER FOR ED ADV (FURN.	1/1/2002	TRICHLORO ETHYLENE	U		Bottled water provided.
1022301	WHITEHOUSE SCHOOL	4/1/2002	COLIFORM	N	RTC 8/5/02	Monthly Violation
1022333	BAGELSMITH	1/1/2002	COLIFORM	N	RTC 3/14/02	Monthly Violation
1022338	READINGTON FARMS	1/1/2002	COLIFORM	N	RTC 2/28/02	Monthly Violation
1022340	GYMNASTICS UNLIMITED	4/1/2002	COLIFORM	N	RTC 7/24/02	Monthly Violation
1022340	GYMNASTICS UNLIMITED	4/1/2002	COLIFORM	N	RTC 7/24/02	Acute Violation
1022351	FIMBEL DOOR CORP.	1/1/2002	COLIFORM	N	RTC 4/9/02	Acute Violation
1022351	FIMBEL DOOR CORP.	10/1/2002	COLIFORM	N	RTC 11/8/02	Monthly Violation
1022351	FIMBEL DOOR CORP.	10/1/2002	COLIFORM	N	RTC 11/8/02	Acute Violation
1022351	FIMBEL DOOR CORP.	1/1/2002	COLIFORM	N	RTC 4/9/02	Monthly Violation
1022374	HOLLANDBROOK SCHOOL	1/1/2002	COLIFORM	N	RTC 2/20/02	Monthly Violation
1022374	HOLLANDBROOK SCHOOL	1/1/2002	COLIFORM	N	RTC 2/20/02	Acute Violation
1025316	NJ STATE POLICE TROOP	4/1/2002	COLIFORM	N	RTC 8/21/02	Monthly Violation
1026316	QUICK CHECK FOOD STORE	4/1/2002	COLIFORM	N	RTC 6/24/02	Monthly Violation
1026316	QUICK CHECK FOOD STORE	6/1/2002	COLIFORM	N	RTC 5/20/02	Monthly Violation
1106316	BEAR TAVERN SCHOOL	4/1/2002	COLIFORM	I	RTC 8/8/02	Monthly Violation
1106316	BEAR TAVERN SCHOOL	5/1/2002	COLIFORM	I	RTC 8/8/02	Monthly Violation
1106316	BEAR TAVERN SCHOOL	7/1/2002	COLIFORM	I	RTC 8/8/02	Monthly Violation
1106320	BRISTOL MYERS, SQUIBB CO	7/1/2002	COLIFORM	N	RTC 8/30/02	Monthly Violation
1113308	PRINCETON ARMS STRIP STO	1/1/2002	NITRATE	N	RTC 1/25/02	
1213315	LOBSTER SHANTY	4/1/2002	COLIFORM		RTC 6/7/02	Monthly Violation
1222305	HARRIS STEEL-WELL 10-(6A	1/1/2002	COLIFORM		RTC 3/22/02	Monthly Violation
1309313	COLTS NECK TWP MUN. BLDG	1/1/2002	COLIFORM	N	RTC 5/8/02	Monthly Violation
1319326	GPU ENERGY	1/1/2002	METHYLENE CHLORIDE	N	RTC 1/17/03	Initial sample lab error.
1414332	MASON ST.PUB	9/1/2002	COLIFORM			Monthly Violation
1414350	SNEAKY PETE'S	9/1/2002	COLIFORM		RTC 10/30/02	Monthly Violation
1414350	SNEAKY PETE'S	8/1/2002	COLIFORM		RTC 10/30/02	Monthly Violation

1414401	JEFFERSON HIGH & MIDDLE	8/1/2002	COLIFORM			Monthly Violation
1419302	MOUNT ST JOHN ACADEMY	7/1/2002	COLIFORM			Monthly Violation
1419302	MOUNT ST JOHN ACADEMY	2/1/2002	COLIFORM		RTC 2/20/02	Monthly Violation
1419302	MOUNT ST JOHN ACADEMY	7/1/2002	COLIFORM			Acute Violation
1419302	MOUNT ST JOHN ACADEMY	1/1/2002	COLIFORM		RTC 1/16/02	Monthly Violation
1421341	KEVAH KONNER INC. BUS CO	1/1/1999	ANTIMONY		RTC 4/9/02	
1421341	KEVAH KONNER INC. BUS CO	1/1/1999	THALLIUM		RTC 4/9/02	
1427354	VINCENZO'S PIZZA	7/1/2002	COLIFORM			Monthly Violation
1427376	CALLAREMI PONTIAC, BUICK &	4/1/2002	COLIFORM		RTC 8/30/02	Monthly Violation
1427376	CALLAREMI PONTIAC, BUICK &	4/1/2002	COLIFORM		RTC 8/30/02	Acute Violation
1427376	CALLAREMI PONTIAC, BUICK &	7/1/2002	COLIFORM		RTC 8/30/02	Monthly Violation
1427376	CALLAREMI PONTIAC, BUICK &	7/1/2002	COLIFORM		RTC 8/30/02	Acute Violation
1427386	ALMETEC INDUSTRIES, INC.	12/1/2002	COLIFORM			Monthly Violation
1429304	RICCIARDI BROS.	8/1/2002	COLIFORM			Monthly Violation
1429304	RICCIARDI BROS.	7/1/2002	COLIFORM			Monthly Violation
1431309	ENRITE STATION	7/1/2002	COLIFORM			Monthly Violation
1432331	LA STRADA RESTAURANT	1/1/2002	COLIFORM		RTC 3/1/02	Monthly Violation
1433303	TOM'S MOBILE	8/1/2002	COLIFORM			Monthly Violation
1435348	CAMP LEWIS-NRTHN. NJ COU.,	10/1/2002	COLIFORM			Monthly Violation
1435348	CAMP LEWIS-NRTHN. NJ COU.,	7/1/2002	COLIFORM			Monthly Violation
1436354	ADAM METAL PRODUCTS	11/1/2002	COLIFORM			Monthly Violation
1436354	ADAM METAL PRODUCTS	12/1/2002	COLIFORM			Monthly Violation
1438327	SCHOOLEY'S MTN. INN	4/1/2002	COLIFORM		RTC 6/30/02	Monthly Violation
1438327	SCHOOLEY'S MTN. INN	4/1/2002	COLIFORM		RTC 6/30/02	Acute Violation
1505378	AIR TERMINAL BLDG #56	4/1/2002	COLIFORM		RTC 2/4/02	Monthly Violation
1505378	AIR TERMINAL BLDG #56	1/1/2002	COLIFORM		RTC 7/8/02	Monthly Violation
1511309	TIP TAM CAMPING-BATHROOM	7/1/2002	COLIFORM		RTC 8/6/02	Monthly Violation
1511327	ANGELO'S PIZZA	7/1/2002	COLIFORM		RTC 9/9/02	Monthly Violation
1511327	ANGELO'S PIZZA	7/1/2002	COLIFORM		RTC 9/9/02	Acute Violation
1511327	ANGELO'S PIZZA	4/1/2002	COLIFORM		RTC 9/9/02	Monthly Violation
1511344	OCEAN CO LIBRARY-JACKSON	11/1/2002	COLIFORM		RTC 12/31/02	Monthly Violation
1511419	JESUS HARVEST TIME DAY	1/1/2002	COLIFORM		RTC 4/15/02	Monthly Violation
1514350	AUTO ACCENTS/CYCLE	1/1/2002	COLIFORM		RTC 4/16/02	Monthly Violation

1530303	OCEAN COUNTY UTILITIES A	11/1/2002	COLIFORM		RTC 12/2/02	Monthly Violation
1530360	BRUNO'S MEAT MARKET	7/1/2002	COLIFORM		RTC 10/24/02	Monthly Violation
1611313	PATRICKS RESTAURANT	1/1/2002	COLIFORM		RTC 3/1/02	Monthly Violation
1615324	MAPLE ROAD SCHOOL	4/1/2002	COLIFORM		RTC 9/1/02	Monthly Violation
1615324	MAPLE ROAD SCHOOL	4/1/2002	COLIFORM		RTC 9/1/02	Acute Violation
1615324	MAPLE ROAD SCHOOL	7/1/2002	COLIFORM		RTC 9/1/02	Monthly Violation
1615326	WEST MILFORD HIGH SCHOOL	9/1/2002	COLIFORM		RTC 11/1/02	Monthly Violation
1615327	WESTBROOK SCHOOL	4/1/2002	COLIFORM		RTC 7/30/02	Monthly Violation
1615335	STRENGHTEN OUR SISTERS	8/1/2002	COLIFORM		RTC 9/30/02	Monthly Violation
1615356	STORMS ISLAND ASSOCIATION	9/1/2002	COLIFORM		RTC 10/30/02	Monthly Violation
1615386	STRENGTH IN OUR SISTERS	8/1/2002	COLIFORM		RTC 9/30/02	Monthly Violation
1615386	STRENGTH IN OUR SISTERS	6/1/2002	COLIFORM		RTC 9/30/02	Monthly Violation
1615386	STRENGTH IN OUR SISTERS	7/1/2002	COLIFORM		RTC 9/30/02	Monthly Violation
1615418	MONTCLAIR YMCA DAY	8/1/2002	COLIFORM			Monthly Violation
1615425	APPLE MONTESSORI SCHOOL	4/1/2002	COLIFORM		RTC 7/02	Monthly Violation
1615428	DUNKIN DONUTS	10/1/2002	COLIFORM		RTC 12/30/02	Monthly Violation
1615435	ALL AMERICAN DAY CARE	7/1/2002	COLIFORM		RTC 12/12/02	Monthly Violation
1615435	ALL AMERICAN DAY CARE	7/1/2002	COLIFORM		RTC 12/12/02	Acute Violation
1615436	BLIMPIE	10/1/2002	COLIFORM			Monthly Violation
1701317	TALL PINES CAMP GROUNDS	4/1/2002	NITRATE	R		
1701321	CAMP GRICE	4/1/2002	COLIFORM		RTC 5/1/02	Monthly Violation
1709311	BETHANY CHRISTIAN ACADEMY	10/1/2002	COLIFORM		RTC 11/1/02	Monthly Violation
1710329	MISSION TEENS INC.	1/1/2002	NITRATE	R		
1710329	MISSION TEENS INC.	4/1/2002	NITRATE	R		
1714307	UNIQUE CAFE	1/1/2002	NITRATE	R		
1801307	FIDDLERS ELBOW GOLF COURSE	1/1/2002	COLIFORM		RTC 11/21/02	Monthly Violation (equipment malfunction)
1802309	ALBROOK SCHOOL	1/1/2002	COLIFORM		RTC 3/22/02	Monthly Violation
1810328	CAMP AGNES DEWITT	10/1/2002	COLIFORM		RTC 3/27/03	Monthly Violation
1818320	LITTLE MIRACLES	10/1/2002	COLIFORM		RTC 10/30/02	Monthly Violation
1902301	HOLIDAY MOTEL	4/1/2002	COLIFORM		RTC 5/30/02	Monthly Violation
1902352	MEZZA LUNA BISTRO	7/1/2002	COLIFORM			Monthly Violation
1902352	MEZZA LUNA BISTRO	4/1/2002	COLIFORM		RTC 5/31/02	Acute Violation

1902352	MEZZA LUNA BISTRO	4/1/2002	COLIFORM		RTC 5/31/02	Monthly Violation
1904353	SUSSEX COUNTY NISSAN	1/1/2002	CARBON TETRA- CHLORIDE			
1905302	EDGEMONT CAMPGROUND	7/1/2002	COLIFORM			Monthly Violation
1905328	THE PINES INN/PINES RETI	9/1/2002	COLIFORM		RTC 10/02	Monthly Violation
1905345	SONNY'S DRIVE IN	1/1/2002	NITRATE			
1905346	YELLOW COTTAGE	1/1/2002	COLIFORM		RTC 5/02	Monthly Violation
1907307	PHALONS TAP HOUSE	6/1/2002	COLIFORM		RTC 7/30/02	Monthly Violation
1907307	PHALONS TAP HOUSE	5/1/2002	COLIFORM		RTC 7/30/02	Monthly Violation
1907310	WINDY BROW FARMS	1/1/2002	NITRATE			
1910301	BURGER KING	7/1/2002	COLIFORM		RTC 10/30/02	Monthly Violation
1910316	SALERNO DUANE OF SUSSEX INC	1/1/2002	TETRACHLOR OETHYLENE			
1910338	SACRED HEART RETREAT	5/1/2002	COLIFORM		RTC 6/30/02	Monthly Violation
1910338	SACRED HEART RETREAT	4/1/2002	COLIFORM		RTC 6/30/02	Monthly Violation
1912345	E & T FOOD MARKET	10/1/2002	COLIFORM		RTC 11/30/02	Monthly Violation
1914306	ROCKVIEW GOLF COURSE	10/1/2002	COLIFORM			Monthly Violation
1920312	FAIRVIEW LAKE YMCA CAMP	4/1/2002	COLIFORM		RTC 5/30/02	Monthly Violation
1922304	DAYS INN	7/1/2002	COLIFORM			Monthly Violation
1922358	GETTY STATION 56003	10/1/2002	NITRATE			
1922375	CAMP SUSSEX-WELL #2	7/1/2002	COLIFORM			Monthly Violation
1922382	DISCOVERY YEARS	7/1/2002	COLIFORM		RTC 1/30/03	Monthly Violation
1922382	DISCOVERY YEARS	12/1/2002	COLIFORM		RTC 11/30/02	Monthly Violation
1924317	BEEMERVILLE FIRE DEPT	1/1/2002	NITRATE			
1924333	QUICK STOP DELI	10/1/2002	COLIFORM		RTC 10/30/02	Monthly Violation
1924333	QUICK STOP DELI	11/1/2002	COLIFORM		RTC 12/30/02	Monthly Violation
1924334	UNCLE JOHN'S TAVERN	7/1/2002	COLIFORM		RTC 10/30/02	Monthly Violation
2104334	A & P FOOD MARKET	4/1/2002	COLIFORM		RTC 5/31/02	Monthly Violation
2104334	A & P FOOD MARKET	4/1/2002	COLIFORM		RTC 5/31/02	Acute Violation
2104335	THE BRASS ROSE SPA & SALON	4/1/2002	COLIFORM		RTC 7/30/02	Monthly Violation
2105320	ISE FARMS INC.	10/1/2002	COLIFORM			Monthly Violation
2105320	ISE FARMS INC.	7/1/2002	COLIFORM			Monthly Violation

2106304	FOREST MANOR RETIREMENT	2/1/2002	COLIFORM		RTC 3/31/02	Monthly Violation
2106304	FOREST MANOR RETIREMENT	2/1/2002	COLIFORM		RTC 3/31/02	Acute Violation
2109303	YMCA CAMP RALPH S. MASON	6/1/2002	COLIFORM		RTC 8/16/02	Monthly Violation
2109303	YMCA CAMP RALPH S. MASON	5/1/2002	COLIFORM		RTC 8/16/02	Monthly Violation
2111316	LIGUORI'S	4/1/2002	COLIFORM		RTC 5/23/02	Monthly Violation
2111316	LIGUORI'S	4/1/2002	COLIFORM		RTC 5/23/02	Acute Violation
2112326	ALESSANDROS	8/1/2002	COLIFORM			Monthly Violation
2112326	ALESSANDROS	10/1/2002	COLIFORM			Monthly Violation
2113314	HUMPTY-DUMPTY DRIVE-IN	7/1/2002	COLIFORM		RTC 8/30/02	Monthly Violation
2116305	MANSFIELD TWP ELEMENTARY	7/1/2002	NITRATE		RTC 8/21/02	
2116305	MANSFIELD TWP ELEMENTARY	4/1/2002	NITRATE		RTC 8/21/02	
2116307	ANDERSONS HOTEL	4/1/2002	COLIFORM		RTC 8/29/02	Monthly Violation
2116307	ANDERSONS HOTEL	7/1/2002	COLIFORM		RTC 8/29/02	Monthly Violation
2117302	OXFORD TEXTILE FINISHING	1/1/2002	TETRACHLOR OETHYLENE			
2117302	OXFORD TEXTILE FINISHING	1/1/2002	CARBON TETRA- CHLORIDE			
2117307	OXFORD CENTRAL SCHOOL	1/1/2002	TRICHLORO ETHYLENE			

KEY TO APPENDIX D:

*Treatment Status: N = Not required, R = Required but not installed, I = Installed, U = Under construction

** Compliance Status: PN = Public notice, RTC = Return to Compliance

Appendix E: Noncommunity Water System 2002 Action Level Violations New Jersey Department of Environmental Protection

PWSID	SYSTEM NAME	VIOLATION DATE	CONTAMINANT NAME	TREATMENT STATUS	COMPLIANCE STATUS	COMMENT
0105350	BUENA VISTA COMMUNITY	6/30/2002	COPPER	R		
0105350	BUENA VISTA COMMUNITY	12/31/2002	COPPER	R		
0105350	BUENA VISTA COMMUNITY	12/31/2002	LEAD	R		
0108343	EGG HARBOR TWP HIGH	12/31/2002	COPPER	R		
0108350	SOUTH JERSEY GAS CO	6/30/2002	COPPER	R		
0108350	SOUTH JERSEY GAS CO	6/30/2002	LEAD	R		
0108386	SOMERSET COVE MARINE	12/31/2002	LEAD	R		
0109304	MANOR WOODS	12/31/2002	COPPER	R		
0110307	SOUTH JERSEY GAS CO	6/30/2002	COPPER	R		
0111310	THE RAMS HEAD INN	6/30/2002	COPPER	R		
0111370	BETHEL CHRISTIAN	6/30/2002	COPPER	R		
0111370	BETHEL CHRISTIAN	12/31/2002	COPPER	R		
0111370	BETHEL CHRISTIAN	12/31/2002	LEAD	R		
0111424	ABSECON MILLS, INC.	12/31/2002	COPPER	R		
0111424	ABSECON MILLS, INC.	12/31/2002	LEAD	R		
0117320	ROANWELL CORP	6/30/2002	COPPER	R		
0117320	ROANWELL CORP	6/30/2002	LEAD	R		
0117320	ROANWELL CORP	12/31/2002	COPPER	R		
0117323	OCEAN YACHTS	12/31/2002	COPPER	R		
0120307	PT. REPUBLIC ELEMENTARY	6/30/2002	COPPER	R		
0306308	FORTRESS GSA	12/31/2002	COPPER	I	RTC 6/30/03	
0306309	POLYONE CORP	6/30/2002	COPPER	R	RTC 10/25/02	
0320310	LEXINGTON BUILDING-	12/31/2002	LEAD	R		
0320360	UNITED STATES POSTAL	12/31/2002	LEAD	R		
0336321	GREEN BANK ELEMENTARY	12/31/2002	COPPER	R		

0435327	INTERPROD, INC.	6/30/2002	COPPER	N		Providing bottled water.
0435327	INTERPROD, INC.	6/30/2002	LEAD	N		Providing bottled water.
0435327	INTERPROD, INC.	12/31/2002	COPPER	N		Providing bottled water.
0435327	INTERPROD, INC.	12/31/2002	LEAD	N		Providing bottled water.
0435375	WATERFORD ELEMENTARY	6/30/2002	COPPER	R		Required but not installed.
0436486	SAR INDUSTRIAL FINISHES	12/31/2002	COPPER	R		Required but not installed.
0436486	SAR INDUSTRIAL FINISHES	12/31/2002	LEAD	R		Required but not installed.
0506301	CAPE MAY CANNERS, INC	12/31/2002	LEAD	R	PN Requested	Required but not installed.
0506374	WHITESBORO HEAD START	12/31/2002	COPPER	R		Required but not installed.
0506374	WHITESBORO HEAD START	12/31/2002	LEAD	R	PN Requested	Required but not installed.
0511305	UPPER TWP MIDDLE SCHOOL	12/31/2002	COPPER	E		Treatment should be checked
0511348	CEDAR SQUARE LIMITED	6/30/2002	COPPER	E		
0511348	CEDAR SQUARE LIMITED	6/30/2002	LEAD	E		Treatment should be checked
0511348	CEDAR SQUARE LIMITED	12/31/2002	COPPER	E		
0511348	CEDAR SQUARE LIMITED	12/31/2002	LEAD	E		
0511353	COCA COLA OF SOUTH	6/30/2002	LEAD	R		
0602301	HALEYVILLE	6/30/2002	LEAD			
0605301	FAIRFIELD TWP INTER	12/31/2002	COPPER			
0605301	FAIRFIELD TWP INTER	12/31/2002	LEAD			
0605303	FAIRFIELD TWP INTER	12/31/2002	COPPER			
0605303	FAIRFIELD TWP INTER	12/31/2002	LEAD			
0607302	HOPEWELL CREST SCHOOL	6/30/2002	COPPER			
0607311	DEVEROUX FOUNDATION	6/30/2002	COPPER			

0607311	DEVEROUX FOUNDATION	12/31/2002	COPPER			
0609300	MAUR RIV TWP BD OF ED	6/30/2002	COPPER			
0611300	SHILOH ELEMENTARY	12/31/2002	COPPER			
0611300	SHILOH ELEMENTARY	12/31/2002	LEAD			
0612300	STOW CREEK ELEM.	12/31/2002	COPPER			
0613313	COUNTRY KIDS LEARNING	6/30/2002	COPPER			
0613313	COUNTRY KIDS LEARNING CTR	6/30/2002	LEAD	R		Referred for enforcement
0614344	SENIOR CARE OF VINELAND	12/31/2002	COPPER	R		Referred for enforcement 3/4/03
0805303	REUTTER SCHOOL	6/30/2002	COPPER	R		
0805303	REUTTER SCHOOL	6/30/2002	LEAD	R		
0805303	REUTTER SCHOOL	12/31/2002	COPPER	R		
0805344	MARYVILLE INC.	6/30/2002	COPPER	R		
0805449	MISS BETTES LITTLE	6/30/2002	COPPER	R		
0809301	FERRO CORPORATION	6/30/2002	LEAD	R		
0809301	FERRO CORPORATION	12/31/2002	LEAD	R		
0818429	TOYOTA OF TURNERSVILLE	12/31/2002	COPPER	R		
1002300	HOPPOCK MIDDLE SCHOOL	6/30/2002	LEAD	N	RTC 2/02	
1006333	ACORN MONTESSORI SCHOOL	6/30/2002	LEAD	N		Follow up sampling due.
1006339	UNITED TEL OF NJ	12/31/2002	LEAD	N		Follow up sampling due.
1006365	CLINTON HONDA	12/31/2002	LEAD	N		Follow up sampling due.
1010311	CROSS ROADS CHRISTIAN	6/30/2002	LEAD	N	RTC 2/02	
1019301	UNTERDON HILLS RESIDENTIAL HOM	12/31/2002	LEAD	R		Follow up sampling due.
1019309	HUNTERDON LEARNING CENTER	12/31/2002	COPPER	R		Follow up sampling due.
1019314	VOORHEES HIGH SCHOOL	12/31/2002	COPPER	R		Follow up sampling due.
1019314	VOORHEES HIGH SCHOOL	12/31/2002	LEAD	R		Follow up sampling due.

1019315	VALLEY VIEW SCHOOL	6/30/2002	LEAD	N	RTC 2/02	
1024301	OLD TURNPIKE SCHOOL	12/31/2002	COPPER	N		Follow up sampling due.
1025326	MOUNTAIN VIEW 78	12/31/2002	COPPER	N		Follow up sampling due.
1025327	P JAX INC	6/30/2002	LEAD	N		Follow up sampling due.
1106354	PENNINGTON ROAD	12/31/2002	LEAD			Transient system.
1202302	STATION ROAD PROPERTY	6/30/2002	COPPER	N	RTC 9/1/02	
1202302	STATION ROAD PROPERTY	6/30/2002	LEAD	N	RTC 9/1/02	
1202302	STATION ROAD PROPERTY	12/31/2002	COPPER	N	RTC 9/1/02	
1202302	STATION ROAD PROPERTY	12/31/2002	LEAD	N	RTC 9/1/02	
1213316	COUNTRY VIEW REST	12/31/2002	LEAD	N	RTC 8/15/02	
1217300	HARRIS STRUCTURAL STL	12/31/2002	LEAD	N	RTC 6/10/02	
1222312	HARRIS STEEL/BEAM SHIP	6/30/2002	LEAD	N	RTC 7/14/02	
1319348	LAKEWOOD PREP	12/31/2002	COPPER			
1319348	LAKEWOOD PREP	12/31/2002	LEAD			
1319462	LAKEWOOD PREP SCHOOL	12/31/2002	LEAD			
1332301	MILLSTONE MIDDLE	6/30/2002	LEAD			
1407313	CHESHIRE BLDG	6/30/2002	LEAD			
1407331	STARBROOK SCHOOL	12/31/2002	COPPER			
1413301	HARDING TWP. JR. SCHOOL	6/30/2002	LEAD			
1415304	STONEBROOK SCHOOL	12/31/2002	LEAD			
1415305	OUR LADY OF THE	12/31/2002	COPPER			
1421351	RESOLUTION PACKAGING	6/30/2002	LEAD			
1427310	LAKEVIEW PLAZA	6/30/2002	COPPER			
1427362	MT. OLIVE HIGH SCHOOL	12/31/2002	COPPER			
1427364	ENVIRONMENTAL	6/30/2002	LEAD			
1435325	SUN RISE SUNSET	6/30/2002	LEAD			
1436326	MACDONALDS	6/30/2002	COPPER			
1436326	MACDONALDS	12/31/2002	COPPER			
1436362	ROXBURY CORPORATE	6/30/2002	LEAD			

1436362	ROXBURY CORPORATE CENTER	12/31/2002	LEAD			
1505306	GPU ENERGY	6/30/2002	COPPER		RTC 12/31/02	
1505323	BERKLEY TWP MUNICIPAL	12/31/2002	COPPER	E		Letter sent 11/02.
1507308	OCEAN CNTY PRIVATE	6/30/2002	COPPER		RTC 12/31/02	
1507322	ACE PLAZA	12/31/2002	COPPER			Still outstanding
1508304	EAGLESWOOD	12/31/2002	COPPER	E	J 12/2/02	Still outstanding
1514318	LARSON FORD (AUTO	12/31/2002	LEAD	E	F 2/19/03	Still outstanding
1518313	READE MFG CO-BLDG 11 &	12/31/2002	COPPER			Sending a letter
1518353	ORGO THERMIT INC. (WELL	6/30/2002	COPPER			Still outstanding
1518353	ORGO THERMIT INC. (WELL	12/31/2002	COPPER			Still outstanding
1518353	ORGO THERMIT INC. (WELL	12/31/2002	LEAD			Still outstanding
1530329	MANAHAWKIN BAPTIST	6/30/2002	COPPER			Still outstanding
1611319	ST. CATHERINE'S OF	6/30/2002	LEAD			
1611320	DARET INC. WELL #1	6/30/2002	LEAD			
1615327	WESTBROOK SCHOOL	12/31/2002	LEAD			Water treatment recommendation
1615330	PARADISE KNOLL SCHOOL	6/30/2002	LEAD			
1615340	MILFORD MANOR	6/30/2002	COPPER			
1615340	MILFORD MANOR	6/30/2002	LEAD			
1615340	MILFORD MANOR	12/31/2002	COPPER			
1615340	MILFORD MANOR	12/31/2002	LEAD			
1615367	MCKEAGE'S TAVERN	6/30/2002	LEAD		RTC 12/31/02	
1615395	THE TOWNE COMMONS	6/30/2002	LEAD		RTC 12/31/02	
1701301	ALLOWAY TWP. SCHOOL	12/31/2002	LEAD	R	PN Req.	
1709311	BETHANY CHRISTIAN ACADEMY	12/31/2002	LEAD	R	PN Req.	Referred for enforcement.
1710328	EATMORE INC.	6/30/2002	COPPER	R		
1714300	MATER DEI NURSING HOME	6/30/2002	LEAD	R		
1805322	AMI	12/31/2002	LEAD	N	RTC	

1805327	TRANSCONTINENTAL GAS PIPELINE	12/31/2002	LEAD	N	RTC	
1808341	PILLAR OF FIRE-ALMA WHIT	12/31/2002	COPPER			
1808341	PILLAR OF FIRE-ALMA WHIT	12/31/2002	LEAD			
1905330	ROSS CORNER PROPERTIES	12/31/2002	LEAD			
1910302	CAMP AUXILIUM	6/30/2002	LEAD			
1912322	WESTSIDE UNITED	6/30/2002	COPPER			
1912322	WESTSIDE UNITED	6/30/2002	LEAD			
1914304	MT.VIEW CORR FAC-	12/31/2002	LEAD			
1918319	SPARTA PLAZA	6/30/2002	LEAD			
1922300	WALNUT RIDGE PRIMARY	12/31/2002	LEAD			
1924316	HIGH POINT REG HIGH	12/31/2002	LEAD			
2105309	NJ BELL	12/31/2002	COPPER			
2105309	NJ BELL	12/31/2002	LEAD			
2105321	VICTAULIC INC.	12/31/2002	LEAD			
2110302	HARKERS HOLLOW GOLF	6/30/2002	COPPER			
2110302	HARKERS HOLLOW GOLF	6/30/2002	LEAD			
2114309	LIBERTY TWP ELEMENTARY	12/31/2002	LEAD			
2115315	LITTLE ACHIEVERS CHILD	6/30/2002	COPPER			

KEY TO APPENDIX E:

*Treatment Status: N = Not required, R = Required but not installed, I = Installed, U = Under construction

** Compliance Status: PN = Public notice, RTC = Return to Compliance

Appendix F

2002 Significant Consumer Confidence Notification Violations

PWSID	SYSTEM NAME	COMPLIANCE STATUS	COMMENTS
0505005	GREENWOOD CONDO COMPLEX	RTC 3/21/03	Administrative Order and penalty 5/15/03
1912008	FRANCIS AVE WATER ASSOCIATION	RTC 3/17/03	Administrative Order and penalty 1/8/03
1922015	WALNUT HILLS WATER CO.		Administrative Order w/o penalty. To be taken over by another water system.
2116001	DIAMOND HILLS		Taken over by Hackettstown MUA 8/7/2002

Appendix G

MCL Violations Related to Additional Monitoring in New Jersey

Transient Noncommunity Water Systems with Volatile Organic MCL Violations

PWID	System Name	Violation Date	Contaminant Name	Treatment	Compliance Status	Comments
0215302	EXXON USA 3-2025	1/1/02	Trichloroethylene			

Nontransient Noncommunity Water Systems with Radionuclide MCL Violations

PWID	System Name	Violation Date	Contaminant Name	Treatment	Compliance Status
0105398	Granny's Child Care	3/13/02	Combined Radium (226 & 228)	R	Public notice requested
0614321	East Vineland School	7/10/02	Gross alpha particle activity. Combined Radium (226 & 228)	R	Public notice requested
1221314	BASF Corp. Well # 2	4/9/02	Gross alpha particle activity Combined Radium (226 & 228)	R	
1221315	BASF Corp. Well # 3	4/9/02	Gross alpha particle activity Combined Radium (226 & 228)	R	
1435346	Katherine Malone School	4/10/02	Gross alpha particle activity. Combined Radium (226 & 228)	R	Public notice requested
1922355	My School Inc	2/27/02	Gross alpha particle activity. Combined Radium (226 & 228)	R	